BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Client:

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description:
KARK
Lounge 2nd Floor
Ueiling tile perforated
2 X 4 layin
Sample 531

Lab ID: 80678

Date Sampled: 02/11/88
Date Received:02/15/88
Analyst: M. Jordan
Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE -----

Is sample friable? YES Are layers obvious? NO Are fibers visible by stareoscopic examination? YES Communis: No asbestos detected

ASBESTOS CONSTIT	UENTS	=	(Central Stop	Dispersion Stainis	ng Colors)
Mineral	Perc	ent	Perpendicular	Parallel	RI Oil
Cbrysotile	0	7.	blue	blue-mayonto	1.550
Anthophyllite	O	%	Elde	gold-magent c	1.605
Tranclito	0	7.	pale blue	yellow	11.409
Actinolit#	0	%	magenta	golden yellow	1,630
Amosite	-0	%	blue magenta	Golden yellow	1.660
Crecidolite	0	%	red-magent:	hlum-magnita	1.700
Total Asbestes	0	%	y = #	•	
OTHER MATERIALS: Fibrous					
Fiber Glazz	0	%	HEITES		
Mineral Wool	52	%	Method Pu	blished in EPA o	06/M4-62-02C.
Cellulose Nonfitrous	26	₹.	Duant it y	by visual inespect	: Op.

Date Analyzed: 02/22/88

Starch Blader 14 %

Eilicates

Erened: Mark al Jordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION

Client:

Mr. Orval Reed J. Graves Insulation

P.O. Box 336

Mabelvale, AR 72103

Sample Description:

KARK Freight elevator lobby

2nd floor

Accoustical calling exposed, no paint

APPENTAGE DOLLARS SURVEYS

Sample 532

Lab ID: 80699

Date Sampled: 02/11/88 Date Received:02/15/88

Analyst: M. Jordan

Sampled by: CLIENT W/DATA

Semple Treatment:

Teased apart with forceps

----- GROSS SAMPLE APPEARANCE -----

Is sample friable? YES Are layons obvious? ND Are fibers visible by stereoscopic examination? YES Comments: White and curly fibers detected

----- MICRGSCOPIC ANALYSIS ------

ASSESTUS LUNSTIT	UENTS	5	(Central Stop	Dispersion Stalning	Colors)
Mineral	Perc	ent	Perpendicular	Parallel	RI Oil
Chrysotile	7	7.	blue	blue-magasta.	1,550
Anthophyllite	9	7,	blue	gelomagenta	1.605
Tremolita	Ō	2	pele tloe	yellow	1.605
Actinolite	0	u :	mayert.t.c.	golden yellom	1,630
Amosite	0	2 #	blus-magerits	golden yeller	1,500
Crocidelite	0	4.5	red-wagenta	blut-mayer.tu	1.769
Talal Asbestos	9	X			
Tremolita Actinolita Amosita Crocidolita	0	## ## ## ## ## ##	blus pele tlos magento blucomagento	geldemagente vellom gelden vellom gelden vellom	1.60 1.60 1.63 1.68

OTHER MATERIALS:

Fibrous		
Fiber Glass	0	%
Mineral Weel	O	7.
Cellelose	7	
Nonfibrous.		
Hica /	5	* *
Lizerdiile	39	
5 1		

MOTTER:

Method Published (. 1874, 200, Md. 81-020, Quantity by Piscal inspection.

Data Analyzod: 02/22/88

Much a Jordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method :

----- SAMPLE INFORMATION -----

Client:

Mr. Orval Reed J. Graves Insulation P.O. Box 334 Mabelvale, AR 72103

Sample Description; KARK Room 14 2nd Floor 2 X 2 Ceiling tile Sample 546 Lab 1D: 80700

Date Sampled: 02/11/68
Date Received:02/15/68
Analyst: M. Jordan
Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE -----

Is sample friable? YES Are layers obvious? NO Are fibers visible by stereoscopic examination? YES Comments: No asbestos detected

----- MICROSCOPIC AMALYSIS -----

ASBESTOS CONSTITUENTS: (Central Stop Dispersion Staining Colors)

Mineral	Perc	ent	Perpendicular	Farallel	RI Dil
Chrysotile	0	%	bloc	eluo-mayonica	1.550
Anthophyllite	O	X	bluc	gold-megenta	1.605
Tramplite	0	7.	pelo blue	vellow	t,805
Actinolite	0	1/	mager's	uulden jellon	1.630
Anasita	O	:	blus-magenta	Golden (el Low	1.680
Crocidelite	Ð	7.	red-pagenta	blug-magarita	1.706
Total Asbestas	ô	72			
OTHER MATERIALS:					
Fibrous '					
Fiber Glass	0	7.5*	MOTIL		
Mineral Wool	43	3-2 - P	Hethud Pub	oliched in EPA (500/M1-82-020.
Drift wiese	24	**	Albert Lity E	sy visasi inspect	ta cata
Honfibrous					
Caltottos	8	• •			
尼沙拉克 医乳头	10				

Date Swel, on: 02/23/88

Stand, Dinder 13 L

mark M. Soedan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

C) ient:			SAMPLE INFORMAT		
U.E. 4 MIR C.E.			•	Lab ID: 80701	4
Mr. Orval Reed					•
J. Graves Insul	ation			Sampled: 02/11/8B	• .
P.O. Box 336				Recei ved: 02/15/88	
Mabelvale, AR	72103			st: M. Jordan	
			Sample	ed by: CLIENT W/DA	ATA
Sample Descripti	one		•		
KARK			•	Treatment:	
Bar Room				lapart with force	eps
Hard plaster sp	rayed	ប់ព	flat		
surface				•	
color - gray Sample 547					
Dembra 323					
then the gave a top party again. Then I years proper the second and a gave these begans a second to the		EDI	GG GAMPLE APPEA	RANCE	
		₩.,	Court to the state of the same	33 37 32 32.2	
Is sample friabl	E2		FS Arm Taylor of	ovious? NO	
Are fibers visib					
Comments: No asb	estos	fil	oers were detect	ied.	
			a construction of the contract of		
		M	ILKUBLUFIL ANAL	YSIS	
ASBESTOS CONSTIT	LENTS	i	(Central Stop	Dispersion Staini	ng Colors)
ASBESTOS CONSTIT Mineral	UENTS Penc	i ent	(Central Stop Perpendicular	Dispersion Staining Parallel	ng Colors) RI Oil
ASBESTOS CONSTIT Mineral Chrysolile	LIENTS Penc	i ent %	(Central Step Perpendicular blue	Dispersion Staini Parallel blue-magenta	ng Colors) RI Oil 1.350
ASBESTOS CONSTIT Mineral Chrysotile Nothophyllite	UENTS Perc 9 0	i ent 2	(Central Step Perpendicular blue blue	Dispersion Staini Parallel blue-magenta gold-magenta	ng Colors) RI Oil 1.350
ASBESTOS CONSTIT Mineral Chrysotile Acthophyllite Incomplie	UENTS Penc 0 0 0	ent 2 2	(Central Stop I Perpendicular bloe bloe pale bloe	Dispersion Staini Parallel blue-magenta gold-magenta yellow	ng Colors) RI Oil 1.850 1.605
ASBESTOS CONSTIT Mineral Chrysolile Acthophyllite Inteclite Actionalite	LIENTS Perc 0 0 0 0	ま 在 れ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(Central Step Perpendicular blue blue pale blue medenta	Dispersion Staini Parallel blue-magenta gold-magenta yellow podden yellow	ng Colors) RI Oil 1.350 1.605 1.630
ASBESTOS CONSTIT Mineral Chrysolile Acthophyllite Inteclite Actionalte Amusite	LIENTS Perc 0 0 0 0	ま 在 れ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(Central Step Perpendicular blue blue pale blue medenta	Dispersion Staini Parallel blue-magenta gold-magenta yellow podden yellow	ng Colors) RI Oil 1.350 1.605 1.630 1.630
ASBESTOS CONSTIT Mineral Chrysotile Acthophyllite Intendite Actionalite Amosite Charidelite	UENTS Perc 0 0 0 0	4 在2 X 以 X X X	(Central Step Perpendicular blue blue pale blue medenta	Dispersion Staini Parallel blue-magenta gold-magenta yellow	ng Colors) RI Oil 1.350 1.605 1.630
ASBESTOS CONSTIT Mineral Chrysolile Acthophyllite Inteclite Actionalte Amusite	UENTS Perc 0 0 0 0	4 在2 X 以 X X X	(Central Step Perpendicular blue blue pale blue medenta	Dispersion Staini Parallel blue-magenta gold-magenta yellow uolden vellow	ng Colors) RI Oil 1.350 1.605 1.630 1.630
ASBESTOS CONSTIT Mineral Chrysotile Acthophyllite Insectite Actionative Amosite Chariddite Total Asbestos	UENTS Perc 0 0 0 0	4 在2 X 以 X X X	(Central Step Perpendicular blue blue pale blue medenta	Dispersion Staini Parallel blue-magenta gold-magenta yellow uolden vellow	ng Colors) RI Oil 1.350 1.605 1.630 1.630
ASBESTOS CONSTIT Mineral Chrysotile Acthophyllite Inseclite Actioulth Amosite Crasidolite Total Actesians	UENTS Perc 0 0 0 0	4 在2 X 以 X X X	(Central Step Perpendicular blue blue pale blue medenta	Dispersion Staini Parallel blue-magenta gold-magenta yellow uolden vellow	ng Colors) RI Oil 1.350 1.605 1.630 1.630
ASBESTOS CONSTIT Mineral Chrysotile Acthophyllite Insectite Actionite Amosite Crosidelite Total Asbestos THER MATERIALS: Fibross	UENTS Perc 0 0 0 0 0 0	4 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(Central Stop Perpendicular blue blue pale blue magenta blue red-magenta	Dispersion Staini Parallel blue-magenta gold-magenta yellow uolden vellow	ng Colors) RI Oil 1.350 1.605 1.630 1.630
AGBESTOS CONSTIT Mineral Chrysotile Acthophyllite Insectite Actionite Amosite Crosidelite Total Actesian THER MATERIALS: Fibrous F.bor Glass	UENTS Perc 0 0 0 0 0	4 年 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(Central Stop Perpendicular blue blue pale blue magenta blue-magenta red-magenta	Dispersion Staining Parallel blue-magents guld-magents yellow guiden yellow golden yellow blue-magents	RI O11 1.350 1.605 1.605 1.630 1.680
ASBESTOS CONSTIT Mineral Chrysotile Acthophyllite Actionlite Actionlite Crosidelite Total Acbestos TMER MATERIALS: Fibross Fibross Mineral Wool	UENTS Perc 0 0 0 0 0 0	14年20年20年20年20年20年20年20年20年20年20年20年20年20年	(Central Stop Perpendicular blue blue pale blue magenta blue-magenta red-magenta NOTES:	Dispersion Staining Parallel blue-magents guld-magents yellow gulden yellow gulden yellow blue-magents	Ng Colors) RI Gil 1.350 1.605 1.630 1.680 1.790
ASBESTOS CONSTIT Mineral Chrysotile Acthophyllite Actionlite Actionlite Crosidelite Total Acbestos TMER MATERIALS: Fibrous Fibrous Cullulose	UENTS Perc 0 0 0 0 0 0	4 年 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(Central Stop Perpendicular blue blue pale blue magenta blue-magenta red-magenta NOTES:	Dispersion Staining Parallel blue-magents guld-magents yellow guiden yellow golden yellow blue-magents	RI Gil 1.350 1.605 1.605 1.630 1.680 1.790
ASBESTOS CONSTIT Mineral Chrysotile Octhophyllite Insuclite Actionlite Actionlite Crosidelite Total Acbestos THER MATERIALS: Fibuous Fibuous Fiber Glass Mineral Wool Culluiose For Fibroes	UENTS Perc 0 0 0 0 0 0 0 0 0	t end X N X X X X X X X X X X X X X X X X X	(Central Stop Perpendicular blue blue pale blue magenta blue-magenta red-magenta NOTES:	Dispersion Staining Parallel blue-magents guld-magents yellow gulden yellow gulden yellow blue-magents	RI Gil 1.350 1.605 1.605 1.630 1.680 1.790
ASBESTOS CONSTIT Mineral Chrysotile Acthophyllite Insemblie Actionalite Actionalite Crosidelite Total Actestas THER MATERIALS: Fibrous Fibrous Cullulose	UENTS Perc 0 0 0 0 0 0	t ent XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	(Central Stop Perpendicular blue blue pale blue magenta blue-magenta red-magenta NOTES:	Dispersion Staining Parallel blue-magents guld-magents yellow gulden yellow gulden yellow blue-magents	Ng Colors) RI Gil 1.350 1.605 1.630 1.680 1.790

Esta Persiyada - 02/23/80

Ergnesi: Man a. Jordan

009913-000776

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

and the last time has been seen and time one increased they are also stored by the second time of the second	SAMPLE INFORMATION
Client:	Lab ID: 80702
Mr. Orval Reed	Date Sampled: 02/11/88
J. Graves Insulation P.O. Box 334	Date Received: 02/15/98
Mabelvale, AR 72103	Analyst: M. Jordan
Habervare, MR 72100	Sampled by: CLIENT W/PATA
Gample Description:	stimuses for a first the first training and a contract to
KARK	Sample Treatment:
Bar Room	Teased apart with forceps
Hard Flasted sprayed on	•
Color - brown	No. (see Add 177 or
Sample 548	
Sample 548	
	OSS SAMPLE APPEARANCE
GR	
Is sample friable? Y	ES Are layers obvious? NO
Is sample friable? Y Are fibers visible by st	ES Are layers obvious? ND ereoscopic examination? YES
Is sample friable? Y	ES Are layers obvious? ND ereoscopic examination? YES
Is sample friable? Y Are fibers visible by st	ES Are layers obvious? ND ereoscopic examination? YES

ASBESTOS CONSTIT	LIENTS	·;	(Central Stop	Dispersion Staining	Colors)
Mineral	Perc	ent	Ferpendicular	Parallel	RI Oil
Uhrysbbile	0	7.	blue	blue-magenta	1.550
Anthophyllite	0	j.v	blee	gold-majenta	1.5005
Tremulile	0	2.	pale blue	yellow	1,600
Actimolite	0	%	សនិបានមួនមា	golden yello⊷	1.630
Amus) te	Ö	%	blue-maganta	gulden vellow	1.690
Srucidelite	0	7.	red-magenta	blue-mayente	1.700
iotsi Asbesior	Ō	χ,			

STHER NATERIALS:

Sibrous

Sibrous

Sibrous

Sibrous

Sibrous

O X

NOTES

NOTE

Dukt so dyzeń: 02/23/08

is war ditte

Signed: Mark M. Sordan

BULK ASBESTOS ANALYSIS REPORT EFA Polarized Light Microscopy Method

Client: Lab ID: 80703 Mr. Orval Reed

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description: KARK Conference room 2nd floor

Accoustical ceiling exposed and painted Sample 549

Date Sampled: 02/11/88
Date Received: 02/15/88
Analyst: M. Jordan
Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

Is cample friable? YES Are layers obvious? NO Are fibers visible by stereoscopic examination? YES Comments; White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS -----

ASBESTOS CONSTITUENTS: (Central Stop Dispersion Staining Colors)

Mineral	Perc	eŋt	Perpendicular	Paraliei	Ki Uli
Chrysotile	21	7.	กไหด	blue-magenta	1,550
Anthophyllite	Q	7,	blue	gold-mageni.a	1.605
Tremulate	0	7.	Pale blue	yelles	1,695
Actioclits	0	%	magenta	golden yellow	1.630
/mos.te	0	# / 2,6	blus-magerds	gulden yellow	1.660
Or ocidalite	0	%	red-magenta	blue-meganite	1.700
Total Asbestes	71	90 a 1 d			
OTHER MATERIALS:					
Tibraus					
Fiber Glass	0	10.7 20.	HOTES:		
dineral Wool	Ō	7.		Mached in IPA a	
Callelose	11	7	Quantity:	by visual inespect	tion.
N a Cibrous					
Azardike	31	*/_			
Selicators	37	• ,			

Dita Analyzadi 02/23/88

Eigen Mark a Jordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

			SAMPLE INFORMAT	10N	
Client:	•			Leb ID: 80704	
Mr. Orval Reed					
J. Graves Insul	ation			lempled: 02/11/88	
P.O. Box 336				ecei ved: 02/15/68	
Mabelvale, AR	72103			t: M. Jordan	
			Sampla	d by: CLIENT W/DAT	TA
Sample Descripti	ons				
KARK				Treatment:	
Main Secretary'	s off	ice	Teased	l apart with force	35
second floor					
Accoustical cei					
exposed and pai	nted			_	
Sample 55Q				•	
Are fibers visib	le by	ste	reoscopic exami	v.cas? NO nation? YES 's were detected.	
Are fibers visit Comments: White	ele by and c	ste url) - Mi	ereoscopic exami v asbestos fiber (CROSCOPIC ANAL) (Central Stop I	nation? YES 's were detected. 'SIS Dispension Stainin	g Colors
Are fibers visit Conments: White	ele by and control UENTS Perc	ste url) - Ml ent	ereoscopic exami / asbestos fiber (CROSCOPIC ANAL) (Central Stop I Ferpendicular	nation? YES s were detected. SIS Dispersion Staining Parallel	g Colors RI Gil
Are fibers visit Conments: White	ele by and control UENTS Perc	ste url) - Ml ent	ereoscopic exami / asbestos fiber (CROSCOPIC ANAL) (Central Stop I Ferpendicular	nation? YES s were detected. SIS Dispersion Staining Parallel	g Colors RI Gil
Are fibers visit Conments: White	ele by and control UENTS Perc	ste url) - Ml ent	ereoscopic exami / asbestos fiber (CROSCOPIC ANAL) (Central Stop I Ferpendicular	nation? YES s were detected. SIS Dispersion Staining Parallel	g Colors RI Gil
Are fibers visit Comments: White	le by and c UENTS Perc 11 0	steurly - Mi ent %	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Ferpendicular hlue blue pale blue	nation? YES s were detected. SIS Pispersion Staining Parallel blue-magenta gold-magenta vellow	g Colors RI Gil 1.550 1.605 1.605
Are fibers visit Conments: White ASBESTOS CONSTIT Mineral Chrysotile Anthophyllite Tremolite Actinolite	UENTS Perc 11 0 0	stsurly - M) rent X X X	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Perpendicular filue filue pale blue magenta	nation? YES 's were detected. (SIS Dispersion Staining Parallel blue-magenta gold-magenta yellow golden yellow	g Colors RI Gil 1.550 1.605 1.605
Are fibers visib Comments: White ASBESTOS CONSTIT Mineral Chrysotile Anthophyllite Tremolite Actinolite Amosite	UENTS Perc 11 0 0	steurly - Mi ent %	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Perpendicular hlue blue pale blue magenta b) ue-magenta	nation? YES is were detected. (SIS Dispersion Staining Parallel blue-magenta gold-magenta yellow golden yellow golden yellow	g Colors RI Gil 1.550 1.605 1.605 1.630
Are fibers visit Conments: White ASBESTOS CONSTIT Mineral Chrysotile Anthophyllite Tremolite Actinolite Amosite Crocidalite	UENTS Perc 11 0 0 0	steurly - Mi ent XXXXX	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Perpendicular hlue blue pale blue magenta b) ue-magenta	nation? YES 's were detected. (SIS Dispersion Staining Parallel blue-magenta gold-magenta yellow golden yellow	g Colors RI Gil 1.550 1.605 1.605 1.630
Are fibers visib Comments: White ASBESTOS CONSTIT Mineral Chrysotile Anthophyllite Tremolite Actinolite Amosite	UENTS Perc 11 0 0 0	steurly - Mi ent XXXXX	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Perpendicular hlue blue pale blue magenta b) ue-magenta	nation? YES is were detected. (SIS Dispersion Staining Parallel blue-magenta gold-magenta yellow golden yellow golden yellow	g Colors RI Gil 1.550 1.605 1.605 1.630
Are fibers visit Comments: White ASBESTOS CONSTIT Mineral Chrysotile Anthophyllite Tremolite Actinolite Amosite Crocidelite Total Asbestos	UENTS Perc 11 0 0 0	steurly - Mi ent XXXXX	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Perpendicular hlue blue pale blue magenta b) ue-magenta	nation? YES is were detected. (SIS Dispersion Staining Parallel blue-magenta gold-magenta yellow golden yellow golden yellow	g Colors RI Gil 1.550 1.605 1.605 1.630
Are fibers visit Comments: White ASBESTOS CONSTIT Mineral Chrysotile Anthophyllite Tremolite Actinolite Amosite Crocidelite Total Asbestos	UENTS Perc 11 0 0 0	steurly - Mi ent XXXXX	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Perpendicular hlue blue pale blue magenta b) ue-magenta	nation? YES is were detected. (SIS Dispersion Staining Parallel blue-magenta gold-magenta yellow golden yellow golden yellow	g Colors RI Gil 1.550 1.665 1.605 1.630
Are fibers visit Comments: White	UENTS Perc 11 0 0 0 11	eteurly - Mi ent XXXXXX	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Perpendicular blue blue pale blue magenta blue-magenta rod-magents	nation? YES is were detected. (SIS Dispersion Staining Parallel blue-magenta gold-magenta yellow golden yellow golden yellow	g Colors RI Gil 1.550 1.605 1.605 1.630
Are fibers visit Comments: White	DENTS PERC 11 0 0 0 11	etey - Microsoft XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ereoscopic exami r asbestos fiber (CROSCOPIC ANAL) (Central Stop I Perpendicular hlue blue pale blue magenta b)ue-magenta rod-magents	nation? YES is were detected. (SIS Dispersion Staining Parallel blue-magenta gold-magenta yellow golden yellow golden yellow	g Colors RI Gil 1.550 1.605 1.605 1.630 1.630

Date Analyzed: 02/23/89

54 %

26 %

Callulose

Nonfibrous Silicates

Perlite

Sund: Moh a Jordan

- Duantity by visual inspection.

	·	ASBESTOS SURVEY
	cark to circles	
OWNER :	2-11-48	2 of Flow MELH RM
SAMPLE NO.	ROOM NO.:	DESCRIPTION & COMMENTS
>< 33	MEENRA	Boile BREELHINE
237	Sun El	Mud e Block Tomestins
7534	MELHEM	STeen Header 10"
	201	pipe insulation with mus
22°%		
0535	MELHRA	90° E161W 11/2"
(%	2ªFI	
		6" 90° Elbine steam
0536	Med em	(5 /0 Wisher Steen
24%	2.510	
7537	necken	ROWN DUCT TOINTS
67%	2-4 FL	Nus
2.38	neil en	Flex connection har #2
	201 50	
89%		
0539	Med Rom	Rentagular Dont Unit 2
	22 FL	
78%		CHILL WATEL PIPME UNIT "2
0540	MACH RA 2nd FI	CHILL WATER PIPING WAT "2
602		
US41	MEHRA	Flex constan unit &
४७०.	3-19 El	
	•	

	chic to cur	
	3 of 4 FOFTI ONE	
OWNER : Y	CARK 2-11-88	2 nd floor Mech Room & CHILLER A
SAMPLE NO.	ROOM NO.:	DESCRIPTION & COMMENTS
~ · · · · · ·	MECH LM	Rectangular duct war =1
82% 0245	7	
0543	CHILLER	CHILLER INSULATION
600		
ण्डपप	CHILLER	Pipe insulation by chiller
4%		
J545	CHILLA	Fireproofing of of structual lack
72		
and the second seco		
	in the state of th	
and the second s	and and and a distributed to this or a great management of the same in the same and	
æ		
	and the second s	

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

ent:	Lab ID: 80717
. Orval Reed	
Graves Insulation	Date Sampled: 02/11/88
D. Box 336	Date Received:02/15/88
belvale, AR 72103	Analyst: M. Jordan
	Sampled by: CLIENT W/DATA
ple Description;	
RK	Sample Treatment:
iller Room	Teased apart with forceps
repressing off of structural	
rck	
mple 545	
GROBS SAMP	LE APPEARANCE
sample Friable? NO Are 1	sýers obvious? YES
fibers visible by stereoscup	nc examination? NO
	cs fibers were detected.

ASBESTOS CONSTITUENTS:			(Central Stop	Dispersion Staining	Colors)
Mineral	Perc	ent	Perpendicular	Parallel	RI Oil
Chrysotile	7	7.	ី៦៧៤៩	blue-magenta	1.550
Anthophy3lits	•	Z.	5240	gald-megenta	1.605
Tremolite	O	7.	pale blue	yellow	1.605
Actinolite	Ō	74	magente	çolden yellow	1.530
Amosite	0	%	blue-magenta	golden yellow	1.680
Crocidolite	O	7.	red-magenta	blue-magenta	1.700
Total Asbestos	7	%			

OTHER MATERIALS:
Fibrous
Fiber Glass O %
Mineral Wool O %
Cellulose 4 %
Monfibrous
Vermiculite 53 %

31 %

Z

NOTES: Method Published in EPA &00/M4-92-020.

Countity by visual inspection.

Date Analyzed: 02/23/88

Lizardite

Pai Ca

Signer Mark a Gordan

PHOENIX ENVIRONMENTAL LABORATORIES Nashville, TN 37203. 2000 Lindell Avenue

BULK ASBESTOS ANALYSIS REPORT EFA Polarized Light Microscopy Method

---- SAMPLE INFORMATION -----Lab ID: 80804 Client:

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description: KARK

US Marines Office Sample 573 fireproofing first floor

Date Sampled: 02/14/88 Date Received:02/17/88 Analyst: M. Jordan Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE -----

Is sample friable? YES Are layers obvious? NO Are fibers visible by stereoscopic examination? Comments: White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS -----

ASBESTOS CONSTITUENTS:		(Central Stop	Dispersion Staining	Colors)	
Mîneral	Perc	ent	Perpendicular	Parallel	RI Oil
Chrysotile	11	%	blue	blue-magenta	1.550
Anthophyllite	0	%	blue	gold-magenta	1.605
Tremolite	O	7.	pale blue	y∈11ow	1.605
Actinolite	0	7.	magenta	golden yellow	1.630
Amosite	0	7.	blue-magenta	golden yellow	1.680
Crocidolite	•	f.	red-magenta	blue-magenta	1.700
Total Asbestos	11	%			

OTHER MATERIALS:

Fibrous		
Fiber Glass	• •	%
Mineral Wool	0	7
Cellulose	5	7.
Nonfibrous		
Vermiculite	51	%
Mica	5	%
Lizardite	28	7.

NOTES:

Method Published in EPA 600/M4-82-020. Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Mark a Gordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Client:

Mr. Orval Reed J. Graves Insulation

P.O. Box 336

Mabelvale, AR 72103

Sample Description:

KARK

107 Supply Room 1st floor

Sampel 574
Fireproofing

Lab ID: 80805

Date Sampled: 02/14/88
Date Received: 02/17/88

Analyst: M. Jordan

Sampled by: CLIENT W/DATA

Sample Treatment:

Teased apart with forceps

----- GROSS SAMPLE APPEARANCE --------

Is sample friable? YES Are layers obvious? NO. Are fibers visible by stereoscopic examination? YES Comments: White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS -----

ASPESTOS CONSTIT	UENTS:	(Central Stop	Dispersion Staining	Colors)
Mineral	Percent	: Perpendicular	Parallel	RI Oil
Chrysotile	9 %	blue	blue-magenta	1.550
Anthophyllite	9 %	blue	gold-magenta	1.605
Tremolite	0 %	pale blue	yellow	1.605
Actinolite	0 %	magenta	galden yellow	1.630
Amosite	0 %	blue-magenta	golden yellow	1.680
Crocidolite	0 %	red-magenta	blue-magenta	1.700
Total Asbestos	9 %			

OTHER MATERIALS:

Fibrous		
Fiber Glass	0	7.
Mineral Wool	O	%
Cellulose	6	7.
Nonfibrous		
Vermiculite	53	10
Lizardite	26	1/4
Mica	6	%

NOTES:

Method Published in EFA 600/M4-82-020. Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Mark a. Jordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

Client: Lab ID: 80806

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description:
KARK
Conference Room
First floor
Sample 575
Ceiling Tile 2 X 4

Date Sampled: 02/14/88
Date Received: 02/17/88
Analyst: M. Jordan
Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

---- GROSS SAMPLE APPEARANCE ---

Is sample friable? YES Are layers obvious? NO Are fibers visible by stereoscopic examination? YES Comments: No asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS -----

ASBESTOS CONSTITUENTS;			;	(Central Stop	Dispersion Staining	Colors)
	Mineral	Ferc	ent	Perpendicular		RI Oil
	Chrysotile	0	7.	blue	blue-magenta	1.550
	Anthophyllite	O	7.	blue	gold-magenta	1.605
	Tremolite	0	%	pale blue	yellow	1.605
	Actinolite	0	7.	magenta	golden yellow	1.630
	Amosite	O	7.	blue-magenta	golden yellow	1.680
	Crocidolite	O	7.	red-magenta	blue-magenta	1.700
	Total Asbestos	0	7.			

OTHER MATERIALS:

Fibrous
Fiber Glass 0 %
Mineral Wool 49 %
Cellulose 28 %
Nonfibrous
Silicates 7 %
Starch Binder 16 %

NOTES:

Method Published in EPA 600/M4-82-020. Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Mark W. Gordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Client:

Mr. Orval Reed J. Graves Insulation

P.D. Box 336

Mabelvale, AR 72103

Sample Description:

KARK

()

First floor conference room

Sample 576 Fireproofing Lab 1D: 80807

Date Sampled: 02/14/88 Date Received:02/17/88 Analyst: M. Jordan

midiyati ne vorodi

Sampled by: CLIENT W/DATA

Sample Treatment:

Teased apart with forceps

----- GROSS SAMPLE APPEARANCE -----

Is sample friable? YES Are layers obvious? NO Are fibers visible by stereoscopic examination? YES Comments: White and curly asbestos fibers were detected.

----- MICROSCOFIC ANALYSIS -----

ASSESTOS CONSTITUENTS:		(Central Stop I	Dispersion Staining	Colors)	
Mineral	Perc	ent	Perpendicular	Parallel	RI Oil
Chrysotile	7	7.	blue	blue-magenta	1.550
Anthophyllite	0	7.	blue	gold-magenta	1.605
Tremolite	0	*/-	pale blue	yellow	1.605
Actinolite	0	7.	magenta	golden yellow	1.630
Amosite	O	%	blue-magenta	golden yellow	1.680
Crocidolite	0	%	red-magenta	blue-magenta	1.700
Total Asbestos	7	%			

OTHER MATERIALS:

Fibrous		
Fiber Glass	0	7.
Mineral Wool	0	7.
Cellulose	4	Z
Nonfibrous		
Lizardite	29	%
Mica	4	7.
Vermiculite	56	%

NOTES:

Method Published in EPA 600/M4-82-020.

Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Mish Mo Godin

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----Client: Lab ID: 80808 Mr. Orval Reed J. Graves Insulation Date Sampled: 02/14/88 P.O. Box 336 Date Received:02/17/88 Mabelvale, AR 72103 Analyst: M. Jordan Sampled by: CLIENT W/DATA Sample Description: KARK Sample Treatment: Old Bank Area Teased apart with forceps first floor Sample 577 Accoustical ceiling above lay in and below fireproofing ----- GROSS SAMPLE APPEARANCE ------Is sample friable? YES Are layers obvious? NO Are fibers visible by stereoscopic examination? Comments: White and curly asbestos fibers were detected. MICROSCOPIC ANALYSIS ------

ASBESTOS CONSTITUENTS:			(Central Stop D	ispersion Staining	Colors
Mineral	Perc	ent	Perpendicular	Parallel	RI Cil
Chrysotile	8	1/2	blue	blue-magenta	1,550
Anthophyllite	0	%	blue	gold-magenta	1.605
Tremolite	Ø	Z	pale blue	yellow	1.605
Actinolite	0	%	magenta	golden yellow	1,630
Amosite	0	%	blue-magenta	golden yellow	1.680
Crecidolite	0	Z	red-magenta	blue-magenta	1,700
Total Asbestos	8	%			

OTHER MATERIALS: Fibrous

Fiber Glass 0 %
Mineral Wool 0 %
Cellulose 5 %
Nonfibrous
Lizardite 28 %
Mica 4 %
Vermiculite 55 %

NOTES:

Method Published in EPA 600/M4-82-020. Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Mark la Gardin

009913-000799

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

---- SAMPLE INFORMATION -----Client: Lab ID: 80809 Mr. Orval Reed J. Graves Insulation

P.O. Box 336 Mabelvale, AR 72103

Sample Description:

KARK first floor stairway Sample 572 accoustical ceiling exposed and painted

Date Sampled: 02/14/88 Date Received: 02/17/88 Analyst: M. Jordan Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE ------

ls sample friable? YES Are layers obvious? Are fibers visible by stereoscopic examination? YES Comments: White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS ------

ASBESTOS CONSTITUENTS:			(Central Stop	Dispersion Staining	Colors)
Mineral	Perc	ent	Perpendi cul ar	Parallel	RI Oil
Chrysotile	12	7.	blue	blue-magenta	1.550
Anthophyllite	0	7.	blue	gold-magenta	1.605
Tremolite	0	%	pale blue	yellow	1.605
Actinolite	0	7.	magenta	golden yellow	1.630
Amosite	0	%	blue-magenta	golden yellow	1.680
Crocidolite	0	%	red-magenta	blue-magenta	1.700
Total Asbestos	12	7.			

OTHER MATERIALS:

O	Z_{i}
0	7.
5	7.
27	%
7	%
49	7,
	0 5 27

MOTES:

Method Published in EPA 600/M4-82-020. Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Mush S. Goodan

BUILDING : KANK DDRESS : 3 4 e	G-5 A	
	Center	
OWNER : KALL	ic.	and Floor
SAMPLE NO. A	OOM NO.:	DESCRIPTION & COMMENTS
1566 Ho	Musy	Eire property
77 Te	sting.	
0567 Pro	. 5526.	Fireprophy
· 900	८१७	
	edrich earing	Fireproofing
700		
1	plicant	Firefrooting
602	diting	
· · · · · · · · · · · · · · · · · · ·	y Flow	Accomplical Ceilmy
8.5	haveney	Euposed and Painted
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BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Client:

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description:
KARK
second floor
hallway testing
Sample 566
Fireproofing

Lab ID: 80810

Date Sampled: 02/14/88
Date Received:02/17/88
Analyst: M. Jordan
Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE ----

Is sample friable? YES Are layers obvious? NO Are fibers visible by stereoscopic examination? YES Comments: White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS -----

ASBESTOS CONSTITUENTS:			(Central Stop	Dispersion Staining	Colors)
Mineral	Perce	nt	Perpendicular		RI Oil
Chrysotile	7	%	blue	blue-magenta	1.550
Anthophyllite	0	%	blue	gold-magenta	1.605
Tremolite	0	%	pale blue	yellow	1.605
Actinolite	0	7.	magenta	golden yellow	1.630
Amosite	0	%	blue-magenta	golden yellow	1.680
Crocidolite	O	X.	red-magenta	blue-magenta	1.700
Total Asbestos	7	7.		-	

OTHER MATERIALS:

0	7
0	%
3	7.
29	7.
57	7.
4	7.
	0 3 29

NOTES:

Method Published in EPA 600/M4-82-020. Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Mark W. Joshy

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

---- SAMPLE INFORMATION ----

Client:

Mr. Dryal Reed J. Graves Insulation P.O. Box 336

Mabelvale, AR 72103

Sample Description: KARK

second floor processing 216 Sample 567 Fireproofing

Lab ID: 60811

Date Sampled: 02/14/88 Date Received:02/17/88 Analyst: M. Jordan

Sampled by: CLIENT W/DATA

Sample Treatment:

Teased apart with forceps

---- GRDSS SAMPLE APPEARANCE -----

Is sample friable? YES Are layers obvious? NO Are fibers visible by stereoscopic examination? YES Comments: White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS ---------

ASBESTOS CONSTITUENTS:				(Central Stop	Dispersion Staining	Colors)
	Mineral	Perc	ent	Perpendicula	r Farallel	RI Oil
	Chrysotile	9	7,	blue	blue-magenta	1.550
	Anthophyllite	O	%	blue	geld-magenta	1.605
	Tremolite	O	%	pale blue	yellow	1.605
	Actinolite	0	7.	magenta	golden yellow	1.630
	Amosite	0	7.	blue-magenta	golden yellow	1.680
	Crocidolite	O	%	red-magenta	blue-magenta	1.700
	Total Asbestos	9	%			

OTHER MATERIALS:

Fibrous		
Fiber Glass	O	7.
Mineral Wool	Ð	1/2
Cellulose	0	%
Nonfibrous		
Lizardite	31	7.
Vermiculite	57	7.
Mica	3	7.

NOTES:

Method Published in EPA 600/M4-82-020.

Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Mark de Corlan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----Client: Lab ID: 80812

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description: KARK second floor Medical Hearing Sample 568 Fireproofing

Date Sampled: 02/14/88 Date Received:02/17/88

Analyst: M. Jordan Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

Is sample friable? YES Are layers obvious? Are fibers visible by stereoscopic examination? YES Comments: White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS -----

ASBESTOS COMSTITUENTS:			(Central Stop	Dispersion Staining	Colors)
Mineral	Perc	ent	Perpendicular		RI Oil
Chrysotile	7	7.	blue	blue-magenta	1.550
Anthophyllite	0	7.	blue	gold-magenta	1.605
Tremolite	0	7.	pale blue	yellow	1.605
Actinolite	O	7.	magenta	golden yellow	1.630
Amosite	Ð	7.	blue-magenta	golden yellow	1.680
Crocidolite	0	%	red-magenta	blue-magenta	1.700
Total Asbestos	7	7.			
OTHER MATERIALS:					

Fibrous		
Fiber Glass	0	%
Mineral Wool	O	%
Cellulose	2	7.
Nonfibrous		
Lizardite	29	%
Vermiculite	57	%
Mica	5	7.

NOTES:

Method Published in EFA 600/M4-82-020. Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Most A. Godin

PHOENIX ENVIRONMENTAL LABORATORIES Nashville, TN 37203 2000 Lindell Avenue

BULK ASBESTOS ANALYSIS REPORT EFA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----Client:

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description: KARK second floor Applicant waiting Sample 569 Fireproofing

Lab ID: 80813

Date Sampled: 02/14/88 Date Received: 02/17/88 Analyst: M. Jordan Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE ------

Is sample friable? YES Are layers obvious? Are fibers visible by stereoscopic examination? YES Comments: White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS -----

ASBESTOS CONSTIT	UENTS:	(Central Stop	Dispersion Staining	Colors)
Mineral	Percent	Perpendicular	Parallel	RI Oil
Chrysotile	6 %	blue	blue-magenta	1.550
Anthophyllite	0 %	b]ue	gold-magenta	1.605
Tremolite	0 %	pale blue	yellow	1.605
Actinolite	0 %	magenta	golden yellow	1.630
Amosite	0 %	blue-magenta	golden yellow	1.680
Crocidolite	0 %	red-magenta	blue-magenta	1.700
Total Asbestos	6 %			

OTHER MATERIALS:

Fibrous		
Fiber Glass	O	7,
Mineral Wool	0	7,0
Cellulosa	1	%
Nonfibrous		
Lizardite	29	7.
Vermiculite	58	7.
Mica	6	7.

NOTES:

Method Published in EPA 600/M4-82-020. Quantity by visual inspection.

Date Analyzed: 02/24/88

Signed: Much a Goodun

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

Client: Lab ID: 80814 Mr. Orval Reed J. Graves Insulation Date Sampled: 02/14/88 P.O. Box 336 Date Received:02/17/88

Sample Description:
KARK
second floor stairway
sample 571
Accoustical ceiling
exposed and painted

Mabelvale, AR 72103

Sample Treatment: Teased apart with forceps

Sampled by: CLIENT W/DATA

Analyst: M. Jordan

----- GROSS SAMPLE APPEARANCE -----

Is sample friable? YES Are layers obvious? ND Are fibers visible by stereoscopic examination? YES Comments: White and curly asbestos fibers were detected.

----- MICROSCOPIC ANALYSIS -----

ASBESTOS CONSTIT	UENTS	:	(Central Stop D	ispersion Stainin	g Colors)
Mineral	Perc	ent	Perpendicular	Parallel	RI Oil
Chrysotile	8	7.	blue	blue-magenta	1.550
Anthophyllit∈	0	%	blue	gold-magenta	1.605
Tremolite	0	%	pale blue	yellow	1.605
Actinolite	0	%	magenta	golden yellow	1.630
Amosite	0	7.	blue-magenta	golden yellow	1.680
Crocidolite	0	7.	red-magenta	blue-magenta	1.700
Total Asbestos	8	%			
OTHER MATERIALS:					
Fibrous					
Fiber Glass	O	7.	NOTES:		
Mineral Wool	0	%	Method Fub	lished in EPA 60	0/M4-82-020.
Cellulose	G	γ.	Quantity b	y visual inspecti	on.
Nonfibrous					
Lizardite	32	7.			
Vermiculite	55	7.			
Mica	5	%			

Date Analyzed: 02/24/88

Signed: Mich a Godin

	ASBESTOS SURVEY					
PUILDING : K	(ARK-GSA 121 e Center					
OWNER:	KALK	<u> </u>				
ATE :	12-14-88	3rd Floor GSA				
SAMPLE NO.	ROOM NO.:	DESCRIPTION & COMMENTS				
(260	050	Sprayed on decking				
-						
C 561	050	Sprayed on beans				
9 of .						
0265	PROCESSING	Freprostry				
172						
U563	OFFICE	Freprostris				
15%		Troubled on Maderial				
1,564	CREWS	Fireproating				
13%						
1 565	CREWS	1'x1' Cella, Tile				
- 						
n570	3rd Floor	Accounting Ceiling				
0°0	Stairway	No paint but Exposed				
·						
39						
• •						

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION ------

Client:

Mr. Orval Reed

J. Graves Insulation

P.O. Box 336

Mabelvale, AR 72103

Sample Description:

KARK

Third Floor GSA

Room No. 50 Sample 560

Hard Plaster Type Material

sprayed on decking

Lab ID: 80797

Date Sampled: 02/14/88

Date Received:02/17/88

Analyst: M. Jordan

Sampled by: CLIENT W/DATA

Sample Treatment:

Teased apart with forceps

----- GROSS SAMPLE APPEARANCE -----

Is sample friable? NO Are layers obvious? MD Are fibers visible by stereoscopic examination? NO

Comments: No asbestos detected

----- MICROSCOPIC ANALYSIS

ASBESTUS CONSTIT	UENTS;	(Central Stop)	Dispersion Staining	Colors
Mineral	Percent	Perpendicular	Parallel	RI Dil
Chrysotile	0 %	blue	blue-magenta	1.550
Anthophyllite	O %	blae	gold-magenta	1.605
Tremolite	0 %	pale blue	vellow.	1.609
Actinolite	9 %	magente	golden yellow	1.630
Amosite	0 %	blue-magenta	gelden yellem	1.660
Cracidalite	0 %	red-macenta	blue magerta	1.730
Total Asbestos	0 %	2		

OTHER MATERIALS:

Fibrous

0 % Fiber Glass Mineral Wool 0 %

Celluiosa Monfibrous

Comentious Min 100 %

NOTES:

Method Fublished in FPA 600/34-82-320.

Quantity by visual inspection.

Date Analyzed: 02/23/88

Ergoco: Mark An Judier

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Client:

Mr. Orval Reed

J. Braves Insulation

P.O. Box 336

Mabelvale, AR 72103

Sample Description:

KARK

Room No. 50

Sample 561

Fireproofing sprayed on beams

Lab ID: 80798

Date Sampled: 02/14/88 Date Received: 02/17/88

Analyst: M. Jordan

Sampled by: CLIENT W/DATA

Sample Treatment:

Teased apart with forceps

----- --- --- GROSS SAMPLE APPEARANCE ------

Is sample friable? YES Are luyers obvious? Are fibers visible by stereoscopic examination? YES

Comments: White and curly fibers detected

54 %

----- MICROSCOPIC ANALYSIS ------

ASSESTOS COMSTIT	UENTS	<u> </u>	(Central Stop	Dispersion Staining	Colors)
Mineral	Perc	ent	Perpendicular	Parallel	RI Oil
Chrysolile	9	9.	bles	blue-magenta	1,553
Anthophyllile	Ò	74	blus	ცლ16-ოაცლიზი	1, 505
Tremolite	9	7,	pale blue	yellow	0.405
Actimolite	0	1/4	នាងឲ្យសារ៉េដ	oaiden yellow	1.630
Amosite	O	7.	blue magenta	galden yellow	1.680
Crecidolite	0	1/2	red-magenta	blue-magenta	1.700
Total Asbestos	9	X.			

OTHER MATERIALS:

Company of the temperature and the		
Fibrous		
Fiber Glass	O	97
Mineral Wool	0	A / 28
Colluiose	<u>.</u>	7.
Noirt ibrous		
Міся	6	÷,
Lizardite	26	7.

HOTES:

Method Published on SPA 600/MA-92-020. Quanticy by Visual inspuction.

Date Analyzod: 02/23/88

Vermiculite

Signed Mark a Spedan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Clients

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description:
KARK
Office Processing
Sample 562
Fireproofing

Lab ID: 80799

Date Sampled: 02/14/88 Date Received:02/17/88 Analyst: M. Jordan Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE -----

In sample friable? YES And layers obvious? NO Are fibers visible by standadopic examination? YES Community: White and curly fibers detected

----- MICROSCOPIC ANALYSIS ----

Chrysotile Anthophyllite Tremolite Actinolite	Percent 17 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 %	t Perpendicular blue blue blue pale blue magenta blue-magenta	Dispersion Staining Parallel blue magenta gold-magenta yellow golden yellow golden yellow blue-magenta	RI QII 1.599 1.605 1.605 1.433
OTHER MATERIALS: Fibor Glass Minoral Wool Collulose Nonfibrous Livardite Vermiculite	0 % 0 % 4 % 32 %		:lished in EPA 400 y visual inspectio	

fale Onalyzed: 02/23/88

Sween Mach Algordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Clienta

material

Mr. Orval Reed J. Graves Insulation P.O. Box 336

Mabelvale, AR 72103

Sample Description:
KARK
Commander Office
Sample 563
Fireproofing troweled on

Lab ID: 80800

Date Sampled: 02/14/88
Date Received: 02/17/88
Analyst: M. Jordan
Sampled by: CLIENT W/DATA

Sample Troatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE -----------

Is sample friable? YES fre layers obvious? NO Arm fibers visible by stereoscopic oxamination? YES Comments: White and curly fibers detected

ASSESTOS CONSTIT	UENTS	į	(Central Stop I	Dispension Staining	; Colons)
Mineral	Ferc	ent	Perpendicular	Parallel	RI Oll
Chrysotale	15	2.0	blyo	blue mage Ra	3.74.0
Anthophyllite	0	7.	blue	guld wagustu	2 - 20 Ch
Trepolite	0	7/	palo bl⊍o	y a. 🕽 🖟 anv	
Actinolite	0	24	māyente.	golden yallua	1.630
Amusi je	0	٠,٠ م / د	blue magenta	golden yelluw	1.680
Crocidalite	0	,,	red-mayonta	blue magenta	1.700
Tetal Asbestos	15	75			
OTHER MATERIALS:	•				
Fibrous					
Fiber Glass	0	7,	ADTES:		
Mineral Wool	0	7.00 C	Mothad Put	Jished ta EPA 50	2/114-92-020.
Callulosa	Ð	14	Country t	sy visuel stabusti	on.
Norfibrous				•	
Mica	5	7.			
usaar data	31	%			
Vermaculite	49	72			

Duite Analyssd: 02/23/68

mynein Mark Ungordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION

Client:

Mr. Orval Reed J. Graves Insulation

P.O. Box 336

Mabelvale, AR 72103

Sample Description: KARK

Crew's Lounge Fireproofing Sample 564

Lab 10: 80801

Date Sampled: 02/14/88 Date Received:02/17/88

Analyst: M. Jordan

Sampled by: CLIENT W/DATA

Sample Treatment:

Teased apart with forceps

----- GROSS SAMPLE APPEARANCE ------

YES Are layers obvious? MO ls sample friable? Are fibers visible by sternoscopic elemenation" YES Comments: White and curly fibers detected

ASSESTOS COMSTIT	UENTS	•	(Central Stop	Dispersion Staining	Colors
Mineral	Perc	ent	Perpendicular	- Parallel	RI Oil
Chrysetile	13	7.	Elve	bluo-magenta	1,551
Anthophyllite	0	7.	blue	gold-megenta	1.405
Tremalite	0	7,	pale blue	yellow	505
Actinolite	O	74	magenta	yolden velipa	1.60
Amosite	0	7.	blue-magant.	golien yellew	680
Crocidolice	0	Z	red-magenika	blue-mayent:	. 700
Total Asbestos	13	: 4			

STHER MATERIALS:

7.1 Droum		
Fiber Glass	្	7%
Mineral Wool	0	.a./ ./i.
Callulase	. 0	7.
Monfibrous		
Mica	7	
Lizardite	27	7
Varmiculite	53	$\mathcal{T}_{\mathbf{a}}$

HOTES:

Helbod Published (d. SEA 600/11, HD 620,

Quantity by . . : earl Thisper Title

Bate Apalyzed: 02/23/88

Mark A Gordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Client:

Mr. Grval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description: KARK Crew's Lounge Sample 565 1 X 1 Ceiling Tile Lab 10: 80802

Date Sampled: 02/14/88
Date Received:02/17/88
Analyst: M. Jordan
Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- BRDSS SAMPLE APPEARANCE --------

Is sample friable? YES Are layers obvious? NO Are fibers visible by eterocoops: examination? YES Comments: No asbestos detected

----- MICROSCOPIC AMALYSIS ------

ASBESTOS CONSTIT	UENTE	1	(Central Stop	Dispersion Staining	Colors)
Mineral	Perc	er:t	Perpendicular	Parallel	RI Dil
Chrysotila	•	150	5-1 wer	bled sagenta	1.550
Anthophyllite	•	74	bluc	gold-magerite	1.605
Tremolite	0	X	rela blat	vello:	a _ 60 5
Actinolite	0	*/_	nagenta	golder yeller	1,450
Amosite	୍	74	ుకీలకాడుత్తమన్న	gotden yelles	1,5SC
Crocidelite	Q	%	red-mayeni s	blus-mayerta	1.700
Total Asbestos	O	7.			
OTHER MATERIALS:					

Fibrous
Fiber Blass 0 %
Fiber Blass 0 %
Fiber Blass 4 %
Cellulose 4 %
Nonfibrous
Ellicates 4 %
Starch Bilder 20 %

MOTER:

Milted Pas-1shed in RFA 200/M4-80-020.
 Delifit, by violal inspection.

Note Analyzed: 02/23/88

Mick M. Jordan

BULK ASBESTOS ANALYSIS REPORT EPA Polarized Light Microscopy Method

----- SAMPLE INFORMATION -----

Client:

Mr. Orval Reed J. Graves Insulation P.O. Box 336 Mabelvale, AR 72103

Sample Description: KARK third floor stairway

Sample 570 Accoustical ceiling no paint but exposed Lab ID: 80803

Date Sampled: 02/14/88
Date Received: 02/17/88
Analyst: M. Jordan
Sampled by: CLIENT W/DATA

Sample Treatment: Teased apart with forceps

----- GROSS SAMPLE APPEARANCE ---- ------------

Te tample friable? YES And layers obvious? NO Are fibers visible by stereoscopic exemination? YES Comments: White and curly fibers detected

----- MICROSCOPIC ANALYSIS ------

ASBESTOS COMSTITUENTS:			(Central Stop D	Dispersion Stainin	g Colors)
Mineral Percent		ent	Perpendicular	Parallel	RI Oil
Chrysotile	10	7.	Elue	blue-magenta	1.550
Anthoshyllite	9	7.	blue	gold-magenta	1.605
	Q		pale blue	yollow	1.605
Actinguite	0	4.	magerit a	golden yellow	4.630
ಗಿಯಾರಕ ಬಿಜ	Ö	%	blue-magentu	golden yellow	1.680
Orocidelit∈	О	X	modrate gental	blu-magenta	1,700
Total Asbestos	10	í.			
OTHER MATERIALS:					
Fibrous					
Fiber Glass	0	γ_a	113 (6.8)		
Mineral Wool	Ò	%	Nother Pec	olished in EPA 60	0/M4-82-020.
Cellulosu	5	*/	Capitaty 1	y visual inspecti	on.
Montalm cus					
್ಗ ∈ಹ	7	7/2			
L:137 ರಚಿತ	26	7.			
Vermiculite	52	7.		,	

Date And gred: 02/23/88

See 1 Marke a Jordan

		ASBESTOS SURVEY
BUILDING : K DDRESS : 3	3rde Conser	
PATE :		MECHANICAL ROOM GSA BILL.
SAMPLE NO.	ROOM NO.:	DESCRIPTION & COMMENTS
1578	MECH	3" 90° E160W - Steen
312		
0579	MECH	3" pipe inculation - steam
29%		
0510	WECH	Rectanular Durt Membertion
		Josh 41 mad
7281	MECH	Flex connection
90°%		
582	MECH	2" 90° E/6000 of AM
6000		
•		
ىنى <u>بىرى دېنى د</u> ى پى		

ASBESTOS IN THE BUILDING

The subject building is approximately 98,000 square feet consisting of three levels. The structure is divided into two separate sections - the KARK side and the Unleased Vacant Side (Formerly the GSA Side). The building is constructed of steel beams and concrete decking between floors and has been renovated several times. The original asbestos survey was performed in February of 1988, by Engineering Management Corporation and no revisions or re-surveys have been conducted by this Corporation. It is our (EMTEC) recommendation that this facility be resurveyed, so the multiple renovations can be incorporated into the original survey. The following is a list of the ACM and PACM, based of the original survey. Please keep in mind that many renovations and asbestos removal projects, which were not conducted by this firm, have been performed over the years.

KARK-TV SIDE

- 1. Sprayed-on Fireproofing on the concrete decking and steel beams located in various areas throughout all three floors on the KARK side.
- Sprayed-on Acoustical Ceiling Insulation located in various areas on the first and second floors.
- 3. Pipe Insulation and Elbows located in the second and third floor mechanical rooms.
- 4. Duct Insulation located in the second and third floor mechanical rooms.
- 5. All Flex Connectors located in the second and third floor mechanical rooms.
- 6. All Vinyl Floor Coverings and Associated Mastics located in various areas throughout all three floors have been categorized as Presumed Asbestos Containing Materials (PACM), due to the indication of these materials being asbestos containing based on the original building specifications and notes on the drawings.
- 7. <u>ROOF</u> The sides of the Cooling Tower and the Drift Eliminators inside the tower are Presumed to be asbestos containing.

WEST SIDE (VACANT)

- Sprayed-on Fireproofing on the concrete decking and all beams located throughout all three floors.
- 9. Sprayed-on Acoustical ceiling insulation which has been applied in all stairwells.
- 10. All piping, ductwork, and flex connectors in the mechanical rooms.
- 11. All Vinyl Floor Covering and Associated Mastics located throughout all three floors have been categorized as Presumed Asbestos Containing Materials (PACM), due to the indication of these materials being asbestos containing based on the original building specification and notes on the drawings.

PART 1: CLAIMING PARTY INFORMATION
NAME:
DODGE COUNTY HOSPITAL JOB
Name of individual claimant (first, middle and last name) or business claimant SOCIAL SECURITY NUMBER (Individual Claimants): F.E.I.N. (Business Claimants)
(last four digits of SSN)
Other names by which claiming party has been known (such as maiden name or married name):
First MI Last
First MI Last
GENDER: [] MALE [] FEMALE
Mailing Address:
Street Address
City State Zip Code
City Stale Zip Code (Province) (Postal Code)
Country
PART 2: ATTORNEY INFORMATION
The claiming party's attorney, if any (You do not need an attorney to file this form):
Law Firm Name:
SPEIGHTS & RUNYAN
Name of Attorney:
AMANDA G STEINMEYER HILL
First MI Last
Mailing Address:
P O BOX 685 - 200 JACKSON AVENUE EAST Street Address
HAMPTON Sc. 29924 City State Zip Code
Telephone: (Province) (Postal Code)
(803) 943-4444 Area Code

REC'D MAR 3 1 2003

9276101

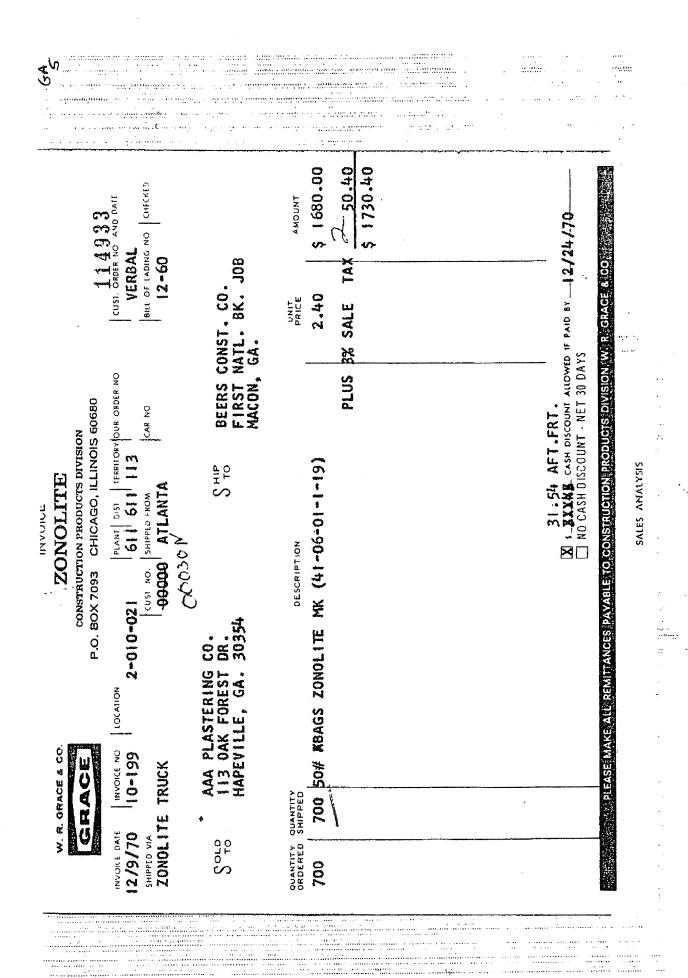
WR Grace PD.15.58.2866 00011550 SR=611 SERIAL #_

	Real Property For Which A Claim Is Being Asserted
	What is the address of the real property for which a claim is being asserted (referred to herein as "the property")?
	Street Address
	EASTMAN GA LID
	UNITED STATES (Province) (Postal Code) Country
2.	Are you completing an Asbestos Property Damage Proof of Claim Form for any other real property other than the one listed at "1" above?
	□ Yes ☑ No
3.	Do you currently own the property listed in Question 1, above? Yes No
4.	When did you purchase the property? Month Day Year
5.	What is the property used for (check all that apply) Owner occupied residence Residential rental Commercial Industrial Specify: Other Specify:
6.	How many floors does the property have? UNKNOWN
7.	What is the approximate square footage of the property?
8.	When was the property built? ☐ Before 1969 ☑ 1969 - 1973 ☐ After 1973
9.	What is the structural support of the property? ☐ Wood frame ☐ Structural concrete ☐ Brick ☑ Steel beam/girder
	☐ Other Specify:
≵ 0.	Have you or has someone on your behalf completed any interior renovations on the property which affected any asbestos on the property?
	₩ Yes □ No

A.	Real Prope	erty For W	hich A Cla	im Is Being A	sserted (co	ntinued)			
	If yes, please s	pecify the da	tes and descri	ption of such ren	ovations.		***************************************	on the same of	
	Year	Description	MULTIPLE	RENOVATIONS	OVER VAR	IOUS YEAR	lS.		
	Year	Description							
	Year	Description							
11.	period of time	which affects	_	other interior rer os on the property		completed o	n the property	during any other	
	Yes If yes, please	☐ No specify the da	tes and descri	ptions of such re	novations.				
	Year	Description	MULTIPLE	RENOVATIONS	OVER VAR	IOUS YEAR	RS		
	Year	Description				de de cape serve que se países			
	Year	Description							
В.	Claim Cat	egory			gapenegamente i terregiâne magnega	Letter and the control of the contro	onething all the second distributions are placed to the second distributions are placed to the second distributions are placed as the second distribution are placed as the		edularis consultativa sect
12	For which cat	egory are you	making a cla	im on the proper	tv?				
		- •	-	to asbestos from		et in the prot	perty		
			-	to one of Grace's	•			g operations	.
	lf you checked	Category 1	in question I	2, complete sect	ion C.	1.0.00 Digital and 10.00 Day	elle der dem betreet in der ser der ser der ser der		
	•		-	2, complete sect					
Lemm	ungan manan da panggan manggan da	***************************************	<u> </u>			pärtotust-vartetainin jan		en versen en e	•
C.	Category	l Claim: A	Allegation \	With Respect	To Asbesto	s From A	Grace Proc	duct In The Prop	erty
13.	For what alleg	ged asbestos-c	ontaining pro	duct(s) are you r	naking a clain	1?			
	Monokote		g insulation						
	☐ Other	Specify:	V-144-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			· , · · · · · · · · · · · · · ·			
				ch Grace manufa r Date Notice pro				commercially added	
14.	When did you	or someone	on your behal	finstall the asbe	stos containin	g product(s) in	n the property	ņ	
	Year	X I	did not instal	the product(s)					
15.	If you or som was/were the			install the ashes	tos containing	product(s), t	o the best of y	our knowledge, wher	n
	Year	X) [Oon't know.						

9276103

SERIAL #_



PART 1: CLAIMING PARTY INFORMATION
NAME: ViRGiNIA L. THRASHER Name of individual claimant (first, middle and last name) or business claimant
SOCIAL SECURITY NUMBER (Individual Claimants): F.E.I.N. (Business Claimants) Glast four digits of SSN)
Other names by which claiming party has been known (such as maiden name or married name):
First MI Last
First Mi Last
GENDER: MALE REFEMALE
Mailing Address: 3 4 6 0 PHEASANT CT.
Street Address DECATUR State State Zip Code
City USA (Province) (Postal Code) Country
PART 2: ATTORNEY INFORMATION
The claiming party's attorney, if any (You do not need an attorney to file this form):
Law Firm Name:
Name of Attorney:
First MI Last Mailing Address:
Street Address
City State Zip Code (Province) (Postal Code)
Telephone:
RFCD JAN 24 2003

PD.2.5.228 00002636 SR=281

	PART 3: PROPERTY INFORMATION
Ą.	Real Property For Which A Claim Is Being Asserted
l.	What is the address of the real property for which a claim is being asserted (referred to herein as "the property")?
	599 STARIING RD.
	AIMA GA 31510 City State Zip Code
	USA (Province) (Postal Code) Country
	Are you completing an Asbestos Property Damage Proof of Claim Form for any other real property other than the one listed at "1" above?
3.	Do you currently own the property listed in Question 1, above? ★ Yes □ No
4.	When did you purchase the property? 3 - 1 9 7 3
5.	What is the property used for (check all that apply) [X Owner occupied residence [] Residential rental [] Commercial [] Industrial Specify: VACATION HOME [] Other Specify: House WAS INHERITED FROM PARENTS
6.	How many floors does the property have?
7.	What is the approximate square footage of the property?
8.	When was the property built? ☑ Before 1969 ☐ 1969 - 1973 ☐ After 1973
9.	What is the structural support of the property? Ki Wood frame Structural concrete Brick Steel beam/girder Other Specify:
10.	Have you or has someone on your behalf completed any interior renovations on the property which affected any asbestos

Have you or has someone on your behalf completed any interior renovations on the property which affected any asbestos on the property?

☐ Yes

ß No

9276102

A.	Real Property For Which A Claim Is Being Asserted (continued)
	yes, please specify the dates and description of such renovations.
	Description
	ear
	Description
	ear
	Description
	ear
11.	to the best of your knowledge, have any other interior renovations been completed on the property during any other eriod of time which affected any asbestos on the property?
	∃Yes ∑a No
	f yes, please specify the dates and descriptions of such renovations.
	Description
	'ear
	Description
	Vear
	Description
	Tear Tear
B.	Claim Category
11).	Claim Category
12.	For which category are you making a claim on the property?
	Category 1: Allegation with respect to asbestos from a Grace product in the property Category 2: Allegation with respect to one of Grace's vermiculite mining, milling or processing operations
	Category 2: Allegation with respect to one of Grace's verificative mining, mining of processing operations
	you checked Category 1 in question 12, complete section C.
	you checked Category 2 in question 12, complete section D.
<u>L.</u>	
	Change Denduct In The Depreset
C,	Category 1 Claim: Allegation With Respect To Asbestos From A Grace Product In The Property
13.	For what alleged asbestos-containing product(s) are you making a claim?
	☐ Monokote-3 fireproofing insulation
	□ Other Specify: ASBESTOS SIDING
	(For a list of the brand names under which Grace manufactured products that may have contained commercially added asbestos, see Exhibit 2 to the Claims Bar Date Notice provided with this Proof of Claim Form.)
14	When did you or someone on your behalf install the asbestos containing product(s) in the property?
- •	[X I did not install the product(s)
	Year Year
• -	
15	If you or someone on your behalf did not install the asbestos containing product(s), to the best of your knowledge, when was/were the product(s) installed?
	₩as word and product(s) instanton
	Year Year

PART 1: CLAIMIN	NG PARTY INFORMATION
NAME: RONALD ALAN SKARIE Name of individual claimant (first, middle and last name) or	
SOCIAL SECURITY NUMBER (Individual Claim 8 8 8 8 (last four digits of SSN)	
Other names by which claiming party has been known in the state of the	own (such as maiden name or married name): Last
First Mi	Last
GENDER: X MALE FEMALE Mailing Address: 1623 W RYAN RD	
Street Address FRANKLIN City	Wil 53 132 State Zip Code (Province) (Postal Code)
Country	
PART 2: ATT The claiming party's attorney, if any (You do	not need an attorney to file this form):
Law Firm Name:	
Name of Attorney:	Last
Mailing Address: Street Address	
City	State Zip Code (Province) (Postal Code)
Telephone: (RECD MAK & 6 2003
W	VR Grace PD.3.10.492 .00006582

SR=499

6.	Do you have documentation relating to the purchase and/or installation of the product in the property:
	Yes No
	Yes No If Yes, attach all such documents. If the documents are too voluminous to attach, attach a summary of the documents indicating the name of each document, date of each document, a brief description of the document, the location of the document, and who has possession and control of the document.
	If you provide a summary of documents rather than the documents inemselves, you are required to consent to the provide a summary of documents rather than the documents inemselves, you are required to consent to the provide a summary of documents rather than the documents inemselves, you are required to consent to the provide a summary of documents rather than the documents inemselves, you are required to consent to the provide a summary of documents rather than the documents inemselves, you are required to consent to the provide a summary of documents rather than the documents inemselves, you are required to consent to the provide a summary of documents rather than the documents inemselves, you are required to consent to the provide a summary of documents rather than the documents in the provide a summary of documents rather than the documents in the provide a summary of documents rather than the documents in the provide a summary of documents and the provide a summary of documents rather than the documents in the provide a summary of documents and the provide a summary of documents are provided as the provided
7.	If you do not have any such documents, explain why not and indicate who may have possession of control of such
	Inherited the property in 1992. Was grandperents house. Asbestos on duction & and Inherited the property in 1992. Was grandperents house. Asbestos on duction & and
	and it was there before my birth. Receipt were front perents
18.	When did you first know of the presence of asbestos in the property of the Grace product for which you are making this claim?
	1892
	Year Please attach all documents relating or referring to the presence of asbestos in the property for which you are making this claim. Please attach all documents relating or referring to the presence of asbestos in the property for which you are making this claim. If the documents are too voluminous to attach, attach a summary of the documents indicating the name of each document, date of each document, a brief description of the document, the location of the document, and who has possession and control of the document.
	document. If you provide a summary of documents rather than the documents themselves, you are required to consent to the production and release of those documents to Grace upon Grace's further request.
19	How did you first learn of the presence of asbestos in the property of the Grace product for which you are making this claim?
.,	I can see it on the ductions k.
20	When did you first learn that the Grace product for which you are making this claim contained asbestos?
	Year
21	Law did you first learn that the Grace product for which you are making the claim contained asbestos?
	The same shall was removed from exposed ductions in 1947.
	That looked the same and it was asbestos.
	and/or shate the Grace product for which you are
2	2. Have you or someone on your behalf made an effort to remove, contain and/or abate the Grace product for which you are making this claim?
	Company (A. 17)
	If Yes, attach all documents relating or referring to such efforts. If the documents are too voluminous to attach, attach a standard of the document, a brief description of the document, the location of the documents indicating the name of each document, date of each document, a brief description of the document, the location
	If you provide a summary of documents rather than the documents themselves, you are required to summary of documents rather than the documents themselves, you are required to summary of documents to Grace upon Grace's further request.
2	23. If you do not have any such documents, explain why not and indicate who may have possession and control of such documents with respect to the property.
	24. If you or someone on your behalf did not make an effort to remove, contain and/or abate the Grace product(s) for which
	24. If you or someone on your benan did not make an effort to remove a such an effort? you are making a claim, to the best of your knowledge, did anyone else make such an effort?

239276-2-37

₹ No

☐ Yes

Invoice

201 North Avenue Post Office Box 58173 Pittsburgh, PA-15209-0000

DATE

INVOICE #

1/5/98

970231

BILL TO

HFT HOLDINGS

250 MT. LEBENNON BLVD. PITTSBURGH, PA 15220

P.O. NO.

TERMS

PROJECT

VERBAL

Due on receipt

QUANTITY	DESCRIPTION	RATE	AMOUNT
24	Metal Stud Removal from Beams and Deck (8th Floor - Phase 1)	31.00	744.00
	Asbestos Abatement - Pillars/Bulkheads (8th Floor - Phase 1)	31.00	7,192.00
	Decontamination of Ceiling Tile (5th Floor - Complete)	31.00	3,844.00
	Removal and Diposal of Lightbulbs and Balasts (8th Floor - Phase 1)	31.00	744.00

DATE

201 North Avenue Post Office Box 58173 Pittsburgh, PA:15209-0000

1/5/98

970230

Invoice

BILL TO

HFT HOLDINGS

250 MT. LEBENNON BLVD. PITTSBURGH, PA 15220

P.O. NO.

TERMS

PROJECT

VERBAL

Due on receipt

QUANTITY	DESCRIPTION	RATE	AMOUNT
16	Removal of Spray-on Fireproofing from beam that was inaccessible during initial	23.85	381.60
. 1	abatement 20x100, 6mil, Polyethylene	48.00	48.00
3	Double Sided Tape	3.90	11.70
4	Asbestos Protective Clothing	1.65	6.60
6	Landfill Charges	2.85	17.10
12	Asbestos Bags	0.80	9.60

CONJUTA, INC. 201 North Avenue Post Office Box 58173 Pittsburgh, PA 15209-0000

Invoice

DATE 10/13/97 970200

BILL TO:

HFT HOLDINGS

250 MT. LEBENNON BLVD. PITTSBURGH, PA 15220

		P.O. NUMBER	TERMS	PROJECT
		VERBAL	Due on receipt	
QUANTITY	DESCRIPTION		RATE	AMOUNT
32	MO2 - Electrical Closet (1) - Asbestos Abatement		23.85	763.20
24	MO2 - Electrical Closet (2) - Asbestos Abatement		23.85	572.40
9.5	MO2 - Mini-Containment (Pillar)		23.85	226.58
9.5	MO2 - Mini-Containment (Pillar)		23.85	226.58

H-COM
O.K. TO PAY
CHARGE TO

O.K. TO PAY DLR MANOR OAK

TOTAL

\$1,788.76

CONJUTA, INC. 201 North Avenue Post Office Box 58173 Pittsburgh, PA 15209-0000

Invoice

DATE 10/13/97 970201

BILL TO:

HFT HOLDINGS

250 MT, LEBENNON BLVD. PITTSBURGH, PA 15220

P.O. NUMBER

TERMS

PROJECT

VERBAL

Due on receipt

QUANTITY

DESCRIPTION

RATE

AMOUNT

MO2 - 8th Floor - 1/4 Interior Demolition

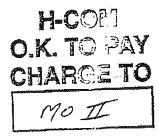
1,700.00

1,700.00



O.K. TO PAY

DLR MANOR OAK



TOTAL

\$1,700.00

201 North Avenue Post Office Box 58173 Pittsburgh, PA 15209 United States

Phone 412-821-5337 Fax 412-821-9152

Date of Invoice: July 30, 1997

Invoice Number: 001108

INVOICE

Billed To:

HFT Holdings - H-Squared II, Inc.

250 Mt. Lebanon Blvd.

Castle Shannon, Pennsylvania

Project Location:

Manor Oak II Building 1910 Cochran Road Pittsburgh, PA 15220

Scope of Work:

9th Floor Phase II - Removal Completed

7,200 Sq. Ft. @ \$1.21/Sq. Ft. (\$8,712.00)

Total Amount of Invoice:

Eight thousand seven hundred twelve and 00/100 dollars

(\$ 8,712.00)

Terms of Payment:

Due upon receipt of invoice.

*NOTE: Extra time and materials for verbal change order will be be billed seperately.

**NOTE: No extras have been added to this invoice.

CONJUTA, INC. 201 North Avenue Post Office Box 58173 Pittsburgh, PA 15209-0000

Invoice -

DATE 7/30/97 INVOICE # 970171

BILL TO:

HFT HOLDINGS

250 MT. LEBENNON BLVD. PITTSBURGH, PA 15220 9th Floor - Phase I

			P.O. NUMBER	TERMS	PROJECT
			VERBAL	Due on receipt	
QUANTITY		DESCRIPTION		RATE	AMOUNT
24	7-11-97			103112	AMOUNT
1	Duct Tape			31.00	744.00
2	Asbestos Bags			3.40	3.40
32	7-14-97			0.80	1.60
ì	Duct Tape			31.00	992.00
.2	Rags per Dozen			3.40	3.40
22	Asbestos Bags			3.25	6.50
18	7-15-97			0.80	17.60
32	7-16-97			31.00	558.00
2	Duct Tape			31.00	992.00
50	Asbestos Bags			3.40	6.80
24	7-17-97			0.80	40.00
1	Duct Tape			31.00	744.00
10	Asbestos Bags			3.40	3.40
32	7-18-97			0.80	8.00
1	Duct Tape			31.00	992.00
9	Asbestos Bags	-		3.40	3.40
16	7-22-97			0.80	7.20
36	7-30-97			31.00	496.00
8	Rags per Dozen			31.00	1,116.00
				3.25	26.00

TOTAL

\$6,761.30

201 North Avenue Post Office Box 58173 Pittsburgh, PA 15209 United States

Phone 412-821-5337 Fax 412-821-9152

Date of Invoice: May 05, 1997

Invoice Number: 001099

INVOICE

Billed To:

HFT Holdings - H-Squared II, Inc.

250 Mt. Lebanon Blvd.

Castle Shannon, Pennsylvania

Project Location:

Manor Oak II Building 1910 Cochran Road Pittsburgh, PA 15220

Scope of Work:

4th Floor - Set-up Completed - Removal Completed

14,400 Sq. Ft. @ \$3.55/Sq. Ft. (\$51,120.00)

Total Amount of Invoice:

Fifty-four thousand nine hundred forty-nine and 00/100 dollars

(\$ 51,120.00)

Terms of Payment:

Due upon receipt of invoice.

*NOTE: Extra time and materials for verbal change order will be be billed seperately.

**NOTE: No extras have been added to this invoice.

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DECORATIONS DEN

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182,525

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Contractor's signed Certification is attached. AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing

in tabulations below, amounts are stated to the nearest dollar Use Column I on Contracts where veriable retainage for line items may apply

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DESCRIPTION OF WORK

SCHEDULED

APPLICATION

THIS PERIOD

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APPLICATION NUMBER:

APPLICATION DATE:

PERIOD TO

ARCHITECT'S PROJECT NO

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AIA DOCUMENT CHE » APPLICATION AND CERTETICATE FOR PRIMENT » MAY 1993 EDITION « AIA* » © 1983. THE AMERICAN INSTITUTE OF ARCHITECTS, 1255 NEW YORK AVENUE, N.W., WASHINGTON, D.C., 2006.
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201 North Avenue Post Office Box 58173 Pittsburgh, PA 15209 United States

Phone 412-821-5337 Fax 412-821-9152

Date of Invoice: February 24, 1997

Invoice Number: 001096

INVOICE

Billed To:

HFT Holdings - H-Squared II, Inc.

250 Mt. Lebanon Blvd.

Castle Shannon, Pennsylvania

Project Location:

Manor Oak II Building 1910 Cochran Road Pittsburgh, PA 15220

Scope of Work:

9th Floor - Set-up Completed

All areas except hallway and conference room

13,900 Sq. Ft. @ \$1.17/Sq.Ft. (\$16,263.00)

7th Floor - Set-up Completed - Removal Completed All areas except hallway and occupied suites

7,200 Sq. Ft. @ \$2.38/Sq. Ft. (\$17,136.00)

3,000 Sq. Ft. @ \$1.17/Sq. Ft. (\$3,510.00)

2nd Floor - Set-up Completed

Vacant Suites

6,000 Sq.Ft. @ \$2.34/Sq. Ft. (\$14,040.00)

Total Amount of Invoice:

Disposal of Ceiling Tile - Trailer Rental Advance (\$4,000.00)

Fifty-four thousand nine hundred forty-nine and 00/100 dollars

(\$ 54,949.00)

Terms of Payment:

Due upon receipt of invoice.

This is an additional charge not covered inder the construction loon.

HFT/Manor Cale To pay inchipendantly.

Schedule A

Expanded Suites

Troy by 195 s.f. Brabender by 705 s.f. Dr. Puleo by 960 s.f.

Total Expansion - 1860 s.f.

Draw Request at 10.00/ s.f. = \$18,600

Number

CONTRACTOR.

herein is now due.

FEB 08 '96 02:54PM

CONTRACT FOR: ASBEST	CONTRACT FOR: ASBESTOS REMOVAL Pth.,	CONTRACT FOR: A38237 CONTRACTOR'S A CHANGE ORDER SUMMARY
ns Removac	PPLICATION F	PPLICATION F
Pyr. For	PAYMENT	OR PAYMENT
Phi PA. 15222	Application is made for Fayment, as shown below, in continuation Street, AIA Document (2713, is attached.	Application is made for Payment, as shown below, in Continuation Sheet, AlA Document G783, is attached. 1. ORIGINAL CONTRACT SUM
CONTRACT DATE:	CONTRACT DATE: 3. /5.2.2 CONTRACT DATE: Application is made for Payment, as shown below, in connection with the Contract. Confinuation Sheet, AIA Document C788, is attached.	CONTRACT DATE: ent, as shown below, in connect ument C783, is attached.
	on with the Contrac	connection with the Contract d.

completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been issued and payments received from the Owner, and that current payment shown Net change by Change Orders Date Approved コテン エンスパ CIALS 7. Dane: 18-12-1 6. TOTAL EARNED LESS METAMAGE My Commission expires: Subscribed and sworn to before me this 9. BALANCE TO FINISH, PIUS RETAINAGE S. CURRENT PAYMENT DUR............. 7. LESS PREVIOUS CERTIFICATES FOR Notary Public: State of: a. 10 % of Completed Work Total Retainage (Line 5a + 5b or **FAYMENT** (Line 6 from prior Certificate)...... (Column F on C703) (Column D + E on G703) (Line 3 less Line 6) (Line 4 less Line 5 Total) Kotal in Column 1 of G703) __ % of Stored Material s/68 1 3.70 County of: day of 8813.70 323.50 7 . 19

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ARCHITECT'S CERTIFICATE FOR PAYMENT

the Contractor is entitled to payment of the AMOUNT CERTIFIED. data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, Information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and in accordance with the Contract Documents, based on on-site observations and the

aia document grez * affucation and certificate for praktif * may 1963 edition * aia* * © 1983 The american rastifute of architects, 1735 new York Avenue, N.W., Washington, D.C. Xr"

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right laws and is subject to legal prosecution.

prejudice to any rights of the Owner or Contractor under this Contract.

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Contractor named herein. Issuance, payment and acceptance of payment are without This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the (Attach explanation if amount certified differs from the amount applied for.)

ARCHITECT:

FEB Ø8 '96

02:54PM

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AJA DOCUMENT GAS - APPLICATION AND CENTERCATE FOR PRIMERT • MAY 1983 EDITION • AJA • • • • 1943 THE AMERICAN INSTITUTE OF ARCHITECTS, 1725 NEW YORK AVENUE, N.W., WASHINGTON, D.C. 2006		Assesson Idamourse Conjunta, Inc	DESCRIPTION OF WORK		AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached. In tabulations below, amounts are stated to the nearest dollar. Use Column I on Contracts where variable retainage for line items may apply.	CONTINUATION SHEET
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4.7782 see:		18,815.70	RETAINAGE	270		or PAGES

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P.3

201 North Avenue Post Office Box 58173 Pittsburgh, PA 15209 United States

Phone 412-821-5337 Fax 412-821-9152

Date of Invoice: January 20, 1997

Invoice Number: 001094

INVOICE

Billed To:

HFT Holdings - H-Squared II, Inc.

250 Mt. Lebanon Blvd.

Castle Shannon, Pennsylvania

Project Location:

Manor Oak II Building

1910 Cochran Road Pittsburgh, PA 15220

Scope of Work:

1st Floor - Completed Areas

Post Office (001) Vending Area (002) Smoking Lounge (003) Hallway (004)

Training Center (005)

2,800 Sq. Ft. @ \$3.55/Sq. Ft.

9th Floor - Set-up Completed

All areas except hallway and conference room 13,900 Sq. Ft. @ \$1.17/Sq.Ft.

7th Floor - Set-up Completed

All areas except hallway and occupied suites 10,200 Sq. Ft. @ \$1.17/Sq. Ft.

Total Amount of Invoice:

Thirty-eight thousand one hundred thirty-seven and 00/100 dollars

(\$ 38,137.00)

Terms of Payment:

Due upon receipt of invoice.

196 FEB 08 02:54PM

P.2

CONTRACT FOR: ASPESTOS REMOVAL FROM (CONTRACTOR): TO (OWNER): HFT HOLDINGS APPLICATION AND CERTIFICATE FOR PAYMENT AIA DOCUMENT G702 Pittsbragh, PA. 15294 RSO MT. LEBANON BLVD VIA (ARCHITECT): LARSEN FLupmic, Inc. PROJECT: MANDE DAK COMPLEX Pittoburgh, PA. 15222 BOG PENN AVENUE PROJECT NO. ARCHITECTS (instructions on reverse side) CONTRACT DATE: APPLICATION NO: 024 PERIOD TO: 12-20-96 SOE ONE OF DARCHIECT 22 OWNER ☐ CONTRACTOR Distribution to: 300

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY

Net change by Change Orders Number Approved this Month Change Orders approved in previous momhs by Owner Date Approved IOIALS MOI ADDITIONS DEDUCTIONS 4. TOTAL COMPLETED & STORED TO DATE.....

completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been nerein is now due. issued and payments received from the Owner, and that current payment shown

CONTRACTOR: HFT HOLDING M. SQUARED his Bus Date: 12-20-96

ARCHITECT'S CERTIFICATE FOR PAYMENT

indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED. data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as in accordance with the Contract Documents, based on on-site observations and the

Application is made for Payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document C783, is attached.

3. CONTRACT SUM TO DATE (Line 1 ± 2) 2. Net change by Change Orders 1. ORIGINAL CONTRACT SUM 2,300 2300000 000

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5. RETAINAGE: (Column C on G703)

a. 10 % of Completed Work (Column D+E on G703) — % of Stored Material 13/0000

Total Retainage (Line 5a + 5b or (Column F on G703)

6. TOTAL EARNED LESS RETAINAGE Total in Column I of G703) (Line 4 less Line 5 Total)

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8. CURRENT PAYMENT DUE 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)....

9. BALANCE TO FINISH, PLUS RETAINAGE..... (Line 3 less Line 6)

Subscribed and sworn to before me this State of:

County of:

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yo App

Notary Public: My Commission expires:

(Attach explanation if amount certified differs from the amount applied for.) ARCHITECT: AMOUNT CERTIFIED.....\$

prejudice to any rights of the Owner or Contractor under this Contract. Contractor named herein. Issuance, payment and acceptance of payment are without This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the

AIA BOCCUARNE G702 • APPUCATION AND CERTIFICATE FOR PARAENT • MAY 1955 EDITION • AIA • © 1983 THE AMERICAN INSTITUTE OF ARCHITCIS, 1725 NEW YORK AVOILE, N.W., VALSTINGTON, D.C., 2007

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010789-000216

A.	Real Property For Which A Claim Is Being Asserted (continued)									
CONSTRUCTION	If yes, please specify the dates and description of such renovations.									
	2 001 Description ASBESTOS REMOVAL									
	1940 Description ASBESTOS REMOVAL									
	Year 1980 Description ASBESTOS REMOVAL Year									
11.	1. To the best of your knowledge, have any other interior renovations been completed on the property during any other period of time which affected any asbestos on the property?									
	☐ Yes No If yes, please specify the dates and descriptions of such renovations.									
	Description Year									
	Year Description									
	Year Description									
B.	Claim Category									
12	For which category are you making a claim on the property?									
12.	Category 1: Allegation with respect to asbestos from a Grace product in the property									
	Category 2: Allegation with respect to one of Grace's vermiculite mining, milling or processing opera	tions								
- 1	If you checked Category 1 in question 12, complete section C.									
6	If you checked Category 2 in question 12, complete section D.	ę								
C	Category 1 Claim: Allegation With Respect To Asbestos From A Grace Product In	n The Property								
13	. For what alleged asbestos-containing product(s) are you making a claim?	ka czasto po rezolnie sy page cinco go cho do soli nego ślosi po 500 km się so cinco co czastogo								
1,5	Monokote-3 fireproofing insulation									
	Other Specify: ZONOLITE									
	(For a list of the brand names under which Grace manufactured products that may have contained comme asbestos, see Exhibit 2 to the Claims Bar Date Notice provided with this Proof of Claim Form.)	rcially added								
14	When did you or someone on your behalf install the asbestos containing product(s) in the property? I did not install the product(s)									
1:5	Year 5. If you or someone on your behalf did not install the asbestos containing product(s), to the best of your known in the state of your known in the your known	wledge, when								
	was/were the product(s) installed? The product of									
	Year									

II. SCOPE OF WORK

SE Technologies, Inc. (SET) was retained by the Children's Hospital Construction Management Department to conduct air monitoring and project surveillance of contractor activities during asbestos abatement at the Hospital. The removal area for this project included Phase I of the ACC Clinics area, 3rd floor, DeSoto Wing-1970's. A location map included as part of the ACHD permit application can be found in Appendix A of this report. SET's on site involvement began on December 3, 1991 during area pre-cleaning and continued until February 4, 1992 when the Allegheny County Health Department conducted a formal inspection of the area. All phases of work were inspected by SET and Samtek and recorded in SET's Clearance Certifications (Appendix B).

The project Scope of Work included the removal of approximately:

- a 3,100 square feet of sprayed-on fireproofing and associated overspray
- 125 steam and water pipe fittings
- 200 square feet of floor tile and associated mastic
- 900 square feet of transite wall board

Due to current architectural design and needs, the 900 square feet of transite wall board were <u>not</u> removed. All other materials identified in the project Technical Specifications were removed by Samtek.

All asbestos removal was conducted by Samtek, Inc. of Pittsburgh, Pennsylvania. Samtek is an ACHD Būreau of Air Pollution Control licensed asbestos abatement contractor (license #ACAL 91-6032) as required by ACHD article XX asbestos abatement regulations. All Samtek workers were required to have ACHD asbestos abatement worker certifications. NIOSH approved respirators and disposable clothing were worn by workers inside containment areas during abatement activities. All asbestos removal was performed under ACHD permit #PAA91-1548. Asbestos containing waste materials were loaded in double polyethylene bags and containerized in 55 gallon drums for transportation and disposal. All waste was taken to the Meadowfill Landfill located in Bridgeport, West Virginia. A copy of the waste disposal manifest can be found in Appendix C of this report.

SET's on-site surveillance was conducted by Timothy J. Kirsch, Norman Brahler, Christopher Griffith and Fred Kropf, Environmental Field Technicians. All work was conducted under the general direction of Frank J. Pokrywka, CIH, Principle Industrial Hygienist and Technical Director of Commercial Services for SET. Samtek's work activities were observed each day to assess work practices and compliance with project specifications during asbestos removal, clean-up and load-out of the cleared containment. Air samples were collected on a daily basis to determine the effectiveness of contractor controls. All air samples were analyzed by members of SE Technologies Laboratory.

Personal air samples of Samtek's workers, required for compliance with OSHA regulations, were not collected by SET. These samples, the responsibility of the contractor, were collected by Samtek.

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ATTN: RECEIVING PO# HOSPITAL 801 OSTRUM. STREET A Health Network BETHIEWEW PA 18015	BETHIEMEM PA 18015 PG I TERPRISES, INC.	PA 18229 THE		F08	DESCRIPTION	CONFIRM ONLY-DO NOT DUPLICATE*** VING INFORMATION: ENG/33-98 * ING HALL/OASIS-REMOVAL OF 2'X4' ING PIREPROOFING FROM I BEAMS	AND OVERSPRAY *OASIS KITCHEN AREA-ASBESTOS REMOVAL AND FIREPROOFING FROM I-BEAMS AND	ASBESTOS COVERED DUCTWORK *GROUND FLOOR STAIRWELL-REMOVAL OF ASBESTOS CONTAINING SYSTEM	REFERENCE QUOTE OF 11/7/97	FAX-717-325-8010 ATTN - RICK SEARFOSS	TOTAL COST PROJECTS \$17120.00 TO BE PAID COMPLETED AND APPROVED		ded where applicable.	nd Use Tax where applicable.	It is the policy of St. Luke's Hospital not to pay handling tees, minimum order charges, or late payment charges.	
		JIM THORPE	SEARFOSS (570) 325-8000		unir VENDOR'S SON	RE INV 10009 *D	EA INV 10018 *0	EA INV 10018 *G	<u>~</u>	EL AL	E	āb.	Material Safety Data Sheets (MSDS) must be provided where	tems on this order may be subject to PA Sales and Use Tax	of St. Luke's Hospital not to pay h	
HOSPH & HOSP	VENDOR SI	G.	•	VENDOR NO. (TERMS	QUANTITY	H H	H H	LI E	·				Material Safet	Items on this		14541 Rev. 12/99
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